

ABSTRACT

A slider having an improved atmospheric pressure variation characteristic can be provided by ensuring the desired amount of inflow of air flowing to the air bearing surface in a region where it is difficult to ensure the desired air inflow amount, e.g., a region where the slider/disk relative speed is low or a region where the area of the air bearing surface is small by forming a groove configuration surface in a specified shape.

In the negative pressure utilization type slider, a groove configuration surface lower in height than an air inflow surface is formed between the disk inner peripheral end and the disk outer peripheral end of the air inflow surface in the air flow incoming end side of a pressure generating surface, separately from a negative pressure generating surface.